



Central University Rajasthan School of Architecture

B. Voc. (Interior Design)

Scheme and Syllabus

*Revised & Approved in the first meeting of the School
Board (20th May 2014)*

Title of the Programme: Bachelors of Vocation in Interior Design leading to degree “B. Voc. (Interior Design)”

Preamble: With the economic growth the demands for housing and commercial spaces has increased manifold. This has given steep rise to demand for competent professionals and skilled technical associates in building and interior industry. Increased awareness about quality of interior spaces in all spheres of activity has enhanced the demand for Interior Design Professionals. Private practices of Architects and Interior Designers, construction and interior decoration firms, furniture and furnishing houses, manufacturers and vendors of interior and building products all look for competent persons who can work at the cutting edge level in a professional manner.

This programme is designed to cater to demands of professionally trained human resource in the field of Interior Design.

The programme is highly relevant for all those who want to pursue a professional career in Interior Design practice, or in building industry, or in the field of marketing etc.

Aim: The programme aims to build individual capacities and train persons with adequate employability skills. The programme structure attempts to blend appropriate technical knowledge and skills, personal and professional skills and substantive ‘hands-on’ and field / site experience required in the trade.

Keeping in view the demands of the market and to provide flexible options for students the programme is designed in modular manner and allows entry and exit options at various levels. The learners will have flexibility to develop themselves according to their strengths and career interests.

Duration : 6 Semesters (3 years). This three year full time programme is divided into six semesters, each of 14 weeks including assessment. In addition all students are expected to undergo on job training / project work for 4-8 weeks every semester that may continue partly during summer / winter breaks.

Eligibility: Entry to First Year - 12th pass in any discipline;
Lateral entry may be offered in the second year of the programme to external candidates who have undertaken courses deemed to be equivalent to the 1st year programme and are able to qualify the skill equivalency test organized by the School of Architecture.

Admission: Depending on the number of applications at the time of admission, merit based decision that provides equal opportunity to all will be taken by the admissions committee of the School duly approved by the competent authority of the University. The broad criterion shall be 50% weight to marks of qualifying exam (12th Class) and 50% to aptitude assessment / interview conducted under direction of the admission committee.

Programme Structure:

The course titled as B.Voc. (Interior Design) is proposed with a modular structure that gives exit option after every year with employable skill at the end of each module.

The three modules are as under:

Diploma in Interior Design (One Year)

Outcome: A person having adequate skills to work as an **Assistant** to a professional Interior designer.

After successful completion of this module and some additional practice the student should be equipped to:

- a. Make drawings after measurement of spaces and gather basic site information with help of notes and pictures
- b. Appreciate the role basic design elements to prepare well composed presentation drawings and office documents.
- c. Make simple presentation drawings for architectural and interior design works using computer soft wares
- d. Perform basic office functions - maintain record of drawings and files, record of drawings, keep account of routine expenses,
- e. Communicate pleasantly with visitors to office using correct terminology related to interior design work, make notes and write simple letters.
- f. Prepare and layouts of interiors of small spaces like apartments, houses, shops, small offices etc.

Advanced Diploma in Interior Design (Two Year)

Outcome: A person having adequate skills to work as '**Technical Assistant**' to a professional Interior designer

After successful completion of this module and some additional practice the student should be equipped to:

- a. Take measurements of spaces and small buildings, document services and other site conditions sufficient enough to commence interior design work.
- b. Make presentation drawings including three dimensional views for architectural and interior design works using computer software.
- c. Appreciate the importance of arts and crafts and their role in interior design.
- d. Undertake functional space planning of medium scale interior spaces with due regard to basic services.
- e. Make basic working drawings of interior spaces
- f. Read drawings of services and structures and appreciate various functional requirements of the same for integration in interior designs and drawings
- g. Appreciate use of interior products, their availability in the market and sourcing from vendors.
- h. Communicate pleasantly in person and on phone with the clients / customers using appropriate vocabulary used by interior designers, write simple letters and emails and undertake basic secretarial work.

B.Voc. (Interior Design) (Three Year)

Outcome: A person having skills to work as a **Technical Associate** to a professional Interior designer or work as a ‘multi tasking’ technical person in an organization serving interior design trade. .

After successful completion of this module and some additional practice the student should be equipped to:

- a. Prepare documents including measure drawings of site, site related information photographs etc sufficient enough to undertake design of interiors and small buildings.
- b. Make presentations including drawings and perspectives for computer aided presentations for the clients /customers.
- c. Make working drawings and coordinated services’ drawings for site execution.
- d. Assist in preparation of bill of quantities, measurement of executed interior works and its billing
- e. Coordinate and supervise implementation of designs on site as per drawings and specifications and report basic defects.
- f. Appreciate use of interior products, their availability in the market and sourcing from vendors.
- g. Prepare basic interior designs of small and medium scale interior spaces like houses, apartments, commercial spaces, exhibition and shop displays, etc with due regard to aesthetics and basic services.
- h. List and coordinate procurement of modular furniture, interior fit-outs, exhibition stalls etc.
- i. Support running and management of a small business enterprise and design practice.

Below is the detailed structure for the three year (6 semester) programme:

| FIRST SEMESTER | | | | | | |
|---|--|-------------------------------|-----------|----------|------------|------------------------|
| COURSE NO. | COURSES | No. of Contact Hours Per Week | | | CREDITS | REMARKS |
| | | L | P/S | T | | |
| BID-01 | Basic Mathematics | 3 | 0 | 2 | 4 | |
| BID-02 | Introduction to Design and Arts | 1 | 4 | 0 | 3 | |
| BID-03 | Introduction to Building Materials & Construction | 2 | 0 | 1 | 3 | |
| BID-04 | Architectural & Interior Drawing - 1 | 1 | 5 | 0 | 4 | |
| BID-05 | Communication Skills - 1 | 1 | 1 | 0 | 2 | |
| OSL - 1 | Onsite Learning Sessions - Exposure Visits to Traditional and Modern Interiors, Sites/Industry etc. | 6 hours | | | 2 | Faculty Guided |
| TOTAL | | 8 | 10 | 3 | 18 | |
| INT -1 | Internship/Skill based field training under vendors / manufacturer's / contractors / interior designer's offices. | 6 weeks to 8 weeks* | | | 12* | Industry Guided |
| *At the end of Internship/Skill based field training each student required to submit a report containing compilation of works done. After the submission of report credits would be earned by the students after satisfactory performance in the viva voice based on their reports. Credits subject to duration of the internship & nature of assignment. | | | | | | |
| SECOND SEMESTER | | | | | | |
| COURSE NO. | COURSES | No. of Contact Hours Per Week | | | CREDITS | REMARKS |
| | | L | P/S | T | | |
| BID-06 | Computer Applications – 1 (MS Word, PowerPoint, Excel, CAD 2D) | 1 | 2 | 0 | 2 | |
| BID-07 | Measure Drawing of Spaces & Buildings | 1 | 4 | 1 | 4 | |
| BID-08 | Interior Studio - 1 | 2 | 4 | 0 | 4 | |
| BID-09 | Architectural & Interior Drawing - 2 | 1 | 5 | 0 | 4 | |
| BID-10 | Basics of Office Management | 1 | 1 | 0 | 2 | |
| OSL - 2 | Onsite Learning Sessions - Introduction to Products & Services related to interiors. | 6 hours | | | 2 | Trade Guided |
| TOTAL | | 6 | 16 | 1 | 18 | |
| INT -2 | Internship/Skill based field training under vendors /manufacturer's / contractors / interior designer's offices. | 6 weeks to 8 weeks* | | | 12* | Industry Guided |
| *At the end of Internship/Skill based field training each student required to submit a report containing compilation of works done. After the submission of report credits would be earned by the students after satisfactory performance in the viva voice based on their reports. Credits subject to duration of the internship & nature of assignment. | | | | | | |

L- Lecture / Integrated Learning Sessions, S- Studio / Lab / On site /Field session, T- Tutorial; (Each unit of 55 minutes).

| THIRD SEMESTER | | | | | | |
|---|--|-------------------------------|-----------|----------|-----------|---------------------------|
| COURSE NO. | COURSES | No. of Contact Hours Per Week | | | CREDITS | REMARKS |
| | | L | P/S | T | | |
| BID-11 | Computer Applications for Drawings and Graphics | 2 | 3 | 0 | 4 | |
| BID-12 | Materials & Products for building interiors - 1 | 1 | 3 | 1 | 3 | |
| BID-13 | Interior Studio - 2 | 2 | 4 | 0 | 4 | |
| BID-14 | Introduction to Specifications | 2 | 0 | 0 | 2 | |
| BID-15 | Open Choice' Course | 1* | 2* | 0 | 2 | *As/need |
| OSL - 3 | On Site Learning Sessions - Focussed on art and artifacts and other interior products | 6 hours | | | 3 | Photo documentation |
| TOTAL | | 8 | 12 | 1 | 18 | |
| INT -3 | Internship/Skill based field training under product manufacturer's / contractors / interior designer's, architect's offices. | 6 weeks to 8 weeks* | | | 12* | Industry Guided |
| <p>*At the end of Internship/Skill based field training each student required to submit a report containing compilation of works done. After the submission of report credits would be earned by the students after satisfactory performance in the viva voice based on their reports. Credits subject to duration of the internship & nature of assignment.</p> | | | | | | |
| FOURTH SEMESTER | | | | | | |
| COURSE NO. | COURSES | No. of Contact Hours Per Week | | | CREDITS | REMARKS |
| | | L | P/S | T | | |
| BID-16 | Computer Applications for Drawings and Graphics (Advanced Course) | 2 | 2 | 0 | 3 | |
| BID-17 | Traditional & Contemporary Interiors, Arts & its Appreciation | 2 | 2 | 0 | 3 | |
| BID-18 | Interior Design Studio - 1 | 2 | 4 | 0 | 4 | |
| BID-19 | Basics of Estimation, Costing & Quantity Surveying | 2 | 1 | 2 | 3 | |
| BID-20 | Activity Sequencing and Check List for Interior Works | 1 | 1 | 0 | 2 | |
| OSL - 4 | On Site Learning Sessions - Exposure to Building Services for Integration in Interior Design | 6 hours | | | 3 | Reading services drawings |
| TOTAL | | 9 | 10 | 2 | 18 | |
| INT -4 | Internship/Skill based field training under product manufacturer's / contractors / interior designer's, architect's offices. | 6 weeks to 8 weeks* | | | 12* | Industry Guided |
| <p>*At the end of Internship/Skill based field training each student required to submit a report containing compilation of works done. After the submission of report credits would be earned by the students after satisfactory performance in the viva voice based on their reports. Credits subject to duration of the internship & nature of assignment.</p> | | | | | | |

L- Lecture / Integrated Learning Sessions, S- Studio / Lab / On site /Field session, T- Tutorial; (Each unit of 55 minutes).

| FIFTH SEMESTER | | | | | | |
|---|---|-------------------------------|-----------|----------|------------|------------------------|
| COURSE NO. | COURSES | No. of Contact Hours Per Week | | | CREDITS | REMARKS |
| | | L | P/S | T | | |
| BID-21 | Supervisory Skills | 2 | 2 | 0 | 3 | |
| BID-22 | Interior Design Studio - 2 | 2 | 4 | 0 | 5 | |
| BID-23 | Preparing Bill of Quantities | 1 | 2 | 2 | 3 | |
| BID-24 | Managing Small Business Enterprise | 2 | 1 | 0 | 2 | |
| BID-25 | Presentation Skills | 1 | 2 | 0 | 2 | |
| OSL - 5 | On Site Learning Sessions - Advanced Building Services | 6 hours | | | 3 | Reading Drawings |
| TOTAL | | 8 | 11 | 2 | 18 | |
| INT -5 | Internship/Skill based field training under contractors / interior designer's, architect's offices / construction sites. | 6 weeks to 8 weeks* | | | 12* | Industry Guided |
| *At the end of Internship/Skill based field training each student required to submit a report containing compilation of works done. After the submission of report credits would be earned by the students after satisfactory performance in the viva voice based on their reports. Credits subject to duration of the internship & nature of assignment. | | | | | | |
| SIXTH SEMESTER | | | | | | |
| COURSE NO. | COURSES | No. of Contact Hours Per Week | | | CREDITS | REMARKS |
| | | L | P/S | T | | |
| BID-26 | Health, Safety & Environment (Laws & Regulations in construction industry) | 2 | 0 | 2 | 3 | |
| BID-27 | Design Project Work | 1 | 5 | 0 | 5 | |
| BID-28 | Measurement & Billing. | 1 | 2 | 0 | 2 | |
| BID-29 | Professional Behavior, Etiquettes and Ethics | 1 | 3 | 0 | 3 | Preview |
| BID-30 | Computer Applications – MS Project | 1 | 2 | 0 | 2 | |
| OSL - 6 | On Site Learning Sessions - (Demarcation of Design and understanding coordinated drawings) | 6 hours | | | 3 | |
| TOTAL | | 6 | 12 | 2 | 18 | |
| INT -6 | Internship/Skill based field training under contractors / interior designers, architect's offices / construction sites. | 6 weeks to 8 weeks* | | | 12* | Industry Guided |
| *At the end of Internship/Skill based field training each student required to submit a report containing compilation of works done. After the submission of report credits would be earned by the students after satisfactory performance in the viva voice based on their reports. Credits subject to duration of the internship & nature of assignment. | | | | | | |

L- Lecture / Integrated Learning Sessions, S- Studio / Lab / On site /Field session, T- Tutorial; (Each unit of 55 minutes).

Assessment: Keeping in view the goal of technical and employability skills enhancement, the about the manner and form of end of course assessment will be significantly different from the regular educational programmes of the University. The course instructor depending on the demands of the course will decide and explain to the students the evaluation criterion and method of assessment. Opportunity will be given to students to improve their results in case his/her work falls short of the minimum prescribed criterion. The broad framework for each course is given with the detailed syllabus.

After the assessment marks will be awarded in terms of simple percentage. A candidate will be required to obtain at least 40% marks in an individual subject and the aggregate of all the subjects. A team consisting of instructors delivering the course in the semester along with an external professional may moderate the scores in case of a skilled and deserving candidate and may award grace to the tune of 10% of the total marks after objectively considering the overall performance of the student.

Syllabus: *The syllabus finalized after incorporating suggestions received from experts and professionals during the validation workshop is given here after.*

FIRST SEMESTER

B.VOC. (INTERIOR DESIGN) SEM – 1

BID-01 BASIC MATHEMATICS

4 Credits L-S-T: 3-0-2

OBJECTIVES – The student will be able to

- Use mathematics as a tool to analyze data and make informed decision in day to day professional work.
- Calculate area, distances, perimeters, volumes as applicable to measurements of various components of buildings and interiors.
- Develop simple formulae used in CAD and Spreadsheet.

CONTENTS –

- Relationship between fractions, decimals and percents.
- Simple Interest and Compound Interest.
- Mean, median, mode & range.
- Measure, Identify & draw angles, perpendicular & parallel lines, concepts of intersection, bisection, division of lines & angles.
- Formula for area and perimeter (Basic shapes).
- Formula for Volume and Surface area. (Simple Problems).

NOTE: Instructor will develop exercises based on routine interior design office activities like calculating area of a space, carpet and super built up area, order quantities (like boxes of tiles required, area and weight of stone to be ordered etc.) Parallel attempt will be made to do these exercises on spread sheet in the separate course.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 25 % |
| Two written tests / Quiz | 25% |

B. End of course assessment of 50% marks consisting of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 1

**BID-02 INTRODUCTION TO
DESIGN AND ARTS**

3 Credits L-S-T: 1-4-0

OBJECTIVES – At the end of this course student should be able to

- Explain basic elements and principles of design
- Prepare compositions in different mediums, colors and textures.
- Describe and appreciate the aesthetical expression in different art forms.

CONTENTS –

- Design – Meaning, Importance of Aesthetics,
- Sensitization about ‘Art’ – Visual, Music, Dance
- Design Components -

- ✓ Shape
- ✓ Texture
- ✓ Color
- Principles of design - Proportions, Symmetry, Repetition, Harmony, Contrast, Dominance, Balance, Dynamism, etc.

Note: Students will practice making 2 dimensional compositions on paper using different medium and physical models using different materials. Besides this qualities of a good visual designs shall be explained through photographs, artworks etc.

Assessment:

Continuous Internal Assessment 50% consisting of evaluation sketches / submittals.

End of Semester Assessment: 50% based on Evaluation of submissions by the Jury.

B.VOC. (INTERIOR DESIGN) SEM – 1
3 Credits L-S-T: 2-0-1

**BID-03 INTRODUCTION TO BUILDING
MATERIALS & CONSTRUCTION**

OBJECTIVES – At the end of this course the student should be able to

- Describe the basic terminology used by architects and interior designers.
- Identify various elements of buildings and interiors in drawings and real life situations and describe them using professional terminology.
- Explain nature and application of building materials/products used in interiors.
- Identify regional vendors of basic interior products routinely used in interiors of homes and small shops.

CONTENTS –

- Terminology, nomenclature of various parts of building and interiors from foundation to roof. (The relevant terminology that shall be developed and demonstrated by the instructor through field visits and its representation shown on drawings)
- Introduction to products and materials used in interiors – Timber, Ply, Boards, Laminates, Tiles (floor and walls), Marble, Sandstone, POP, Paints and Textiles.
- Introduction to products and materials used in construction of a house / small shop – Bricks(Clay and Fly-ash), Hollow blocks, Stones, Cement, Lime, Mortar, PVC and GI pipes, Concrete, Steel (Mild & Stainless), Aluminum.

Assessment:

Continuous Internal Assessment 50% consisting of evaluation of assignments/submittals (40%) and one quiz (10%)

End of Semester Assessment: 50% based on written exam

B.VOC. (INTERIOR DESIGN) SEM – 1
4 Credits L-S-T: 1-5-0

**BID-04 ARCHITECTURAL &
INTERIOR DRAWING -1**

OBJECTIVES – At the end of this course the student should be able to

- Prepare drawings by using drafting tools and accessories.
- Comprehend and Visualize geometric forms.
- Understand about Scale & Proportions.
- To initiate CAD.

CONTENTS –

- Introduction: –
 - ✓ Drawing Instruments and their uses.
 - ✓ Sheet layout and sketching.
- Lettering: Exercises in drafted and freehand architectural lettering.
- Lines: Concept and types of lines. Line thickness. Dimension lines.
- Scales.
- Basic technical drawing: -
 - ✓ Division of lines and angles.
 - ✓ Drawing polygons.
 - ✓ Inscribing and circumscribing circles in polygons.
- Orthographic Projections.
- Projection of Points, Lines and Planes in different positions.
- Simple 2D drawings using computer software. – Plans, elevations and sections of small spaces like a bedroom or a shop or alike.

Assessment:

Continuous Internal Assessment: 50% consisting of evaluation of drawings Prepared & Submitted.

End of Semester Assessment: 50% based on practical drawing exam.

B.VOC. (INTERIOR DESIGN) SEM – 1
2 Credits L-S-T: 1-1-0

BID-05 COMMUNICATION SKILLS – 1

OBJECTIVES – At the end of this course the student should be able to

- Describe the basic process of communication.
- Describe linguistic and non linguistic components of communication.
- Participate effectively in the classroom.
- Communicate appropriately in informal and formal situations.

CONTENTS –

- Basics of Communication –
 - ✓ Communication Process,
 - ✓ Introduction to Linguistic and Non Linguistic Component
 - ✓ Interpersonal oral communication

- Basic skill set for informal and formal interaction in class and outside:
 - ✓ Listening
 - ✓ Asking Questions and responding appropriately.
 - ✓ Reading
 - ✓ Taking notes in the class
 - ✓ Writing exams
- Exposure to vocabulary used in routine office work of interior designers.
- Using dictionary and thesaurus.

Assessment:

Continuous Internal Assessment: 50% consisting of evaluation of class presentations and assignments.

End of Semester Assessment: 50% based on evaluation of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 1
2 Credits

OSL-01 ONSITE LEARNING SESSIONS –
Exposure Visits to Traditional and Modern
Interiors, Sites / Industry etc.

OBJECTIVES –

- To provide practical understanding of traditional & contemporary interior elements.
- To understand the nature of interior works and various products used in contemporary designs.
- Appreciate functional aspects of spaces.
- To present the field studies in the form of sketches / photographs short reports.

This course will involve guided site visits to introduce various aspects of interiors.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the field visits (20%) .

End of Semester Assessment: 50% based on evaluation of submittals (like reports etc.)

SECOND SEMESTER

B.VOC. (INTERIOR DESIGN) SEM – 2
2 Credits L-S-T: 1-2-0

BID-06 COMPUTER APPLICATIONS – 1 -
(MS WORD, POWERPOINT, EXCEL, CAD 2D)

OBJECTIVES – At the end of this course the student should be able to

- Operate computers, printers and, scanners for routine office work.
- Prepare basic documents using MS Word, MS PowerPoint and MS Excel
- Use Internet.

CONTENTS –

- Introduction of Computers and Operating Systems:-
- Brief historical background of computer development.
- Introduction to hardware and general idea of their use,
- Basics of handling and operating computers, familiarizing the use of scanners, printers plotters etc.
- Salient features of MS Windows.
- Familiarizing with data storage and retrieval creation of directory and files
- MS office
- MS Word
- Creating simple text document with basic formatting
- Making Tables
- Inserting pictures
- MS Excel
- Performing basic calculations and maintain data using MS Excel.
- MS PowerPoint
- Creating simple presentations using text and pictures
- Taking printouts
- Basics of Internet usage for browsing and emails

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 25 % |
| Two written tests / Quiz | 25% |

B. End of course assessment of 50% marks consisting of Practical exam.

B.VOC. (INTERIOR DESIGN) SEM – 2
4 Credits L-S-T: 1-4-1

BID-07 MEASURE DRAWING OF SPACES & BUILDINGS

OBJECTIVES – At the end of this course the student should be able to

- Take measurement of building/spaces, and to draw plans, elevations and sections of the same.
- Prepare Scale drawings of the measured spaces using computer software.
- Read survey maps and measure drawings.

CONTENTS –

- Introduction to measurement tools and traditional methods - measuring tapes, gunia, plumb, water level, spirit level, magnetic compass. (exposure to ‘laser’ technology based instruments)
- Using photographs for visual references.
- Measure existing small houses, apartments, and interior spaces and prepare hand drawings and sketches (Nazari Naksha) on paper.
- Prepare scale drawings of interior spaces and small houses with proper graphical representation of building components.
- Reading survey maps and measure drawings of interior spaces.

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of evaluation of assignments /project work/field work
- B. End of course assessment of 50% marks consisting of evaluation of drawings submitted during the course.

B.VOC. (INTERIOR DESIGN) SEM – 2
4 Credits L-S-T: 2-4-0

BID-08 INTERIOR STUDIO - 1

OBJECTIVES – At the end of this course the student should be able to

- Impart knowledge on the various materials while, highlighting the current trends and innovations in the usage of interior design materials.
- Impart knowledge required for specifying appropriate materials for various spaces in interior design
- Compare the different alternative materials suitable for given job.
- Apply basic knowledge of human scale in designing small functional spaces.

CONTENTS -

- Floor Finishes: Selection of Floor Finishes, Factors affecting the selection (i.e. Base, Room Use, Degree of Comfort required, Maintenance, Cost, Appearance, Safety & Durability), Types of Flooring
- Wall Finishes, Ceiling Materials, Roofing Materials, Paints & Varnishes.

- Structural systems and their layout for a small building –
 - ✓ Partitions.
 - ✓ False Ceiling.
 - ✓ Panelling & Cladding.
 - ✓ Mezzanine Floor.
- Structural system for urban interior spaces – malls, fair grounds, exhibition spaces, etc.

The studio exercise in this semester will focus on bldg. Standards & Site visits:

- Anthropometrics Studies:
- Studies and introduction to human dimensions and functions,
- Design and layout of personal space based on various human activities.
- Understanding of Form – shape, size, proportions
- Understanding of Installation Manuals, Codes etc.

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of:
- | | |
|------------------------------|------|
| Submission of design project | 40 % |
| Quiz & Assignments | 10% |

- B. End of course assessment of 50% marks consisting of evaluation by the Jury.

B.VOC. (INTERIOR DESIGN) SEM – 2
4 Credits L-S-T: 1-5-0

BID-09 ARCHITECTURAL &
INTERIOR DRAWING - 2

OBJECTIVES – At the end of this course the student should be able to

- Understand graphic treatment of two-dimensional drawings.
- Develop perception and presentation of simple architectural forms and buildings.
- Make models of different forms and sections of solids.
- Prepare 2 D drawings using CAD.

CONTENTS –

- Metric Drawing:-
 - ✓ Types, uses and advantages.
 - ✓ Isometric, Axonometric and Pictorial View.
 - ✓ Metric Drawing, Projection and their dimensioning.
 - ✓ Metric of plane figures composed of straight lines.
 - ✓ Metric of Circles.
 - ✓ Metric of simple and complex blocks.
- Section of Solids:-
 - ✓ Section plans, Sections, True shape of a section.
 - ✓ Intersection and Interpenetration of Solids.
- Development of Surfaces

- Model making.
- CAD– 2D.
 - ✓ Learn various 2D commands their function and application.
 - ✓ Understanding coordinate systems.
 - ✓ Working on layers.
 - ✓ Drawing plans, Elevations, Sections using Auto Cad.
 - ✓ Dimensioning Drawings.
 - ✓ Connecting from one file format to another.
 - ✓ Various file formats and their usefulness.
- Taking printouts using drawing plotter.

Assessment:

Continuous Internal Assessment: 50% consisting of evaluation of drawings Prepared & Submitted.

End of Semester Assessment: 50% based on practical drawing exam.

B.VOC. (INTERIOR DESIGN) SEM – 2
2 Credits *L-S-T: 1-1-0*

BID-10 BASICS OF OFFICE MANAGEMENT

OBJECTIVES – At the end of this course the student should be able to

- Understand the organizational structure of an Interior Designer’s Office.
- Manage Drawings & Office Records in a small office.
- Perform basic book keeping works.
- Perform office correspondence in the form of emails, letters & text messages.

CONTENTS:

- Office and its management.
- Structure of an Interior Designer’s Office
- Managing Time
- Office Etiquettes and Work Ethics.
- Working in small groups / teams
- Maintaining Drawing and Office Records.
- Use of Computers and Accessories for Office Work.
- Basic Accounting and Book-keeping.
- Written Communication – simple letters, emails text messages and short reports.

Assessment:

Continuous Internal Assessment: 50% consisting of evaluation of report/assignments submission (40%), Quiz (10%).

End of Semester Assessment: 50% consisting of evaluation based on Practical Exam.

B.VOC. (INTERIOR DESIGN) SEM – 2
2 Credits

OSL-02 ONSITE LEARNING SESSIONS –
Introduction to Products & Services Related
to Building Interiors.

OBJECTIVES –

- To provide practical understanding of the Latest Products /Materials, available in the market.
- To expose students about application of products/materials on the basis of its functionality with the help of sites/industry visits.

This course will involve guided site visits to understand availability of interior products and comprehend basic services integral to simple interiors.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the field visits (20%).

End of Semester Assessment: 50% based on evaluation of submittals (like reports etc.)

THIRD SEMESTER

B.VOC. (INTERIOR DESIGN) SEM – 3
4 Credits L-S-T: 2-3-0

BID-11 COMPUTER APPLICATIONS - 2

OBJECTIVES – At the end of this course the students should be able to

- Use basic photo-editing software.
- Create basic 3 dimensional drawings using CAD.
- Connecting from one file format to another.
- Take printouts using a plotter.

CONTENTS –

- Introduction to few basic photo editing software's.
- Use basic applications of Adobe Photoshop to manipulate pictures and drawings.
- 2D to 3D conversion, perspective view.
- Understanding CAD 3D
 - ✓ Learn various 3D commands their function and application.
 - ✓ Understanding coordinate systems.
 - ✓ Working on layers.
 - ✓ Drawing 3D Model using different softwares.
 - ✓ Interface between different softwares.
 - ✓ Various file formats and their usefulness.
- Taking printouts using drawing plotter.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 25 % |
| Two written tests / Quiz | 25% |

B. End of course assessment of 50% marks consisting of Practical exam.

B.VOC. (INTERIOR DESIGN) SEM – 3
3 Credits L-S-T: 1-3-1

BID-12 MATERIALS & PRODUCTS FOR
BUILDING INTERIORS -1

OBJECTIVES -

- To acquaint the students to building materials used in interior works.
- To familiarize the students with construction techniques for use of the above materials in building interiors.

CONTENTS –

- Building Materials for Interiors -
 - ✓ Materials related to False Ceiling, Partitions, Flooring, Acoustics etc.
 - ✓ Wood & wood products.

- Basics of Construction (Interiors) –
 - ✓ Reinforced Cement Concrete and Reinforced Brick Concrete: Types, Mixing, Curing, Water Cement Ratio, Qualities and Workability.
 - ✓ D.P.C.: Introduction \ proof course, awareness about sources and effects of dampness,
 - ✓ Brick Work: Brick Terminology, Simple Bonds in Brick work and Details at junctions and Quoins.
 - ✓ Stone Work: Elementary Stone Masonry, Types of joints, Random, Square and Ashlars Stonework.
 - ✓ Openings in walls.

Assessment:

Continuous Internal Assessment 50% consisting of evaluation of assignments/submittals (40%) and one quiz (10%)

End of Semester Assessment: 50% based on written exam

B.VOC. (INTERIOR DESIGN) SEM – 3
4 Credits L-S-T: 2-4-0

BID-13 INTERIOR STUDIO - 2

OBJECTIVES – After completion of this course, the student should be able to -

- Demonstrate understanding of anthropometrics while preparing interior layouts.
- Prepare designs of cabinet work/furniture used in small spaces.
- Distinguish the ambiance required for different uses.
- Prepare interior layouts for small spaces with sensitivity to functionality and aesthetics.
- Prepare the sample boards for the interior design exercise.

CONTENTS -

- Basic concepts of ambiance (explained through photographs/site visits).
- Design of cabinetwork for bedroom/drawing room/kitchen/clinic/kiosk etc.
- Layout planning of a small house/apartment/shop/office/clinic or alike.
(The course instructor is expected to develop in writing various design exercises giving exact deliverables & stages of submission)

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of:
- | | |
|------------------------------|------|
| Submission of design project | 40 % |
| Quiz & Assignments | 10% |

- B. End of course assessment of 50% marks consisting of evaluation by the Jury.

B.VOC. (INTERIOR DESIGN) SEM – 3
2 Credits L-S-T: 2-0-0

BID-14 INTRODUCTION TO SPECIFICATIONS

OBJECTIVES:

- To develop the understanding about the need of specifications for any interior project.
- To develop the skill to read & write the specifications for various interior works.

CONTENTS:

- Definition, Importance and scope of the subject.
- Correct form of writing specifications –avoiding ambiguity and conflicting statements.
- Uses of standard specification viz; drafted by C.P.W.D etc.
- Writing detailed specifications for basic interior works e.g. plastering, painting, false ceiling, paneling, flooring etc.
- Market Survey – Making of Sample Plates.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 25 % |
| Two written tests / Quiz | 25% |

B. End of course assessment of 50% marks consisting of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 3
2 Credits L-S-T: 1-2-0

BID-15 OPEN CHOICE COURSE

Students may take the course of their choice from the below subjects

BID 15 – E1 PHOTO DOCUMENTATION – 2 Credits

OBJECTIVES - At the end of this course the students should be able to

- Describe basics of still photography using digital camera or phone camera.
- Demonstrate ability to take photographs in different light conditions.
- Take photographs to supplement the building measurements & site details & present them in the form of photo documentation.
- Edit & Format photographs for reports & desktop presentation.

CONTENTS:

- Picture Composition
- Depth of field
- Elements of a shot: image volume, camera angle, camera movements
- Light controls – aperture, shutter speed, film speed

- How the camera works
- Lenses, Types and Characteristics
- Camera mounting Equipment
- Documentation of buildings and interiors using photographs.
- Inserting photographs in word processing, desktop presentation & drawing softwares.
- Format the photographs using softwares

This course may be conducted in the form of one week workshop involving guided field visits and hands on practice sessions on site and in the lab/studio.

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of:
- | | |
|---|------|
| Field Assignments / Exercises / Documentation | 40 % |
| Quiz | 10% |

- B. End of course assessment of 50% marks consisting of evaluation of portfolio.

BID 15 – E2 INTRODUCTION TO MODULAR CEILINGS – 2 Credits

OBJECTIVES - After completion of this course, the student should be able to -

- Describe the types of ceilings used in interiors.
- Describe types of modular ceilings, product range & its accessories.
- To read interior drawings (RCP's) & relate them to the site.
- Prepare document for order quantities as per drawing

CONTENTS:

- Ceiling Basics.
- Types of Modular Ceiling.
- Ceiling Products & its accessories.
- RCP's and Coordinated Drawings with respect to services
- Calculating wastages.
- Preparation of document to order quantities.

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of:
- | | |
|----------------------------------|------|
| Assignments /Project /Field Work | 40 % |
| Quiz & Assignments | 10% |

- B. End of course assessment of 50% marks consisting of evaluation by the Jury.

As decided by the course instructor/head of the interdisciplinary department and head of the department of architecture.

BID 15 – E3 INTRODUCTION TO TILE FLOORING – 2 Credits

OBJECTIVES - After completion of this course, the student should be able to -

- Describe the types of flooring materials used in interiors.
- Describe various types of tile flooring and its application in different situations.
- Prepare layout & flooring pattern for small spaces.
- Explain proper slope & other requirement of flooring in toilet & kitchens.
- To check line & level of floor.
- Prepare document for order quantities as per drawing

CONTENTS:

- Types of floorings (Vitrified Tiles, Ceramic Tiles, Wooden Tiles etc).
- Application of flooring in different spaces.
- Flooring layouts.
- Calculating wastages & order quantities.

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of:
- | | |
|----------------------------------|------|
| Assignments /Project /Field Work | 40 % |
| Quiz & Assignments | 10% |

- B. End of course assessment of 50% marks consisting of evaluation by the Jury.

In addition to above, students may also take the list of following courses offered in consultation with industry partners time to time. These courses will be developed and adapted to fit the needs of the interior design students as per the market demand. Faculty members will develop the detailed curriculum based on the students' needs and/or industry's particular interest.

Note(s) May be repeated for credit for up to 6 credits. May be taken with or without the lab.

1. Dry wall partition Installation.
2. Wall cladding & panelling.
3. Interpersonal Effectiveness
4. Written Communication in Interior Design Office.

B.VOC. (INTERIOR DESIGN) SEM – 3
3 Credits

OSL-03 ONSITE LEARNING SESSIONS –
Focussed on art and artefacts and other interior products.

OBJECTIVES –

- To provide practical understanding about the use of artifacts, paintings and Graphics in interior spaces
- To expose students about application of art in Interior Design by studying the works of traditional & contemporary interior designers with the help of site visits.
- To develop the photography skills among students to appreciate and document the traditional & contemporary works in India.

This course will involve guided site visits aims to familiarize students with traditional arts and crafts of India used in vernacular construction, historic buildings and contemporary designs in different climatic regions of India.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (20%) and participation in the field visits (30%).

End of Semester Assessment: 50% based on evaluation of submittals (like reports etc.)

FOURTH SEMESTER

B.VOC. (INTERIOR DESIGN) SEM – 4
3 Credits L-S-T: 2-2-0

**BID-16 COMPUTER APPLICATIONS FOR
DRAWINGS & GRAPHICS (Advanced Course)**

OBJECTIVES – At the end of this course the students should be able to

- Use basic photo-editing software.
- Develop an understanding of software assisting in 3-Dimensional design
- Explore computer modeling techniques using CAD and 3Ds Max
- Connecting from one file format to another.
- Take printouts using a plotter.

CONTENTS –

- Introduction to few basic photo editing softwares.
- Use basic applications of Adobe Photoshop, Coral Draw to manipulate pictures and drawings.
- 3D-Max: Understanding 3D, theory behind 3D modeling. Preparing for construction of 3D models. Construction of 3D surface models- extrusion, wire frame, creation of a shell, elaborates surfaces.
- Concepts behind solid modeling, composite solids creation and modification, solids display and inquiry.
- Introduction to materials, mapping and lighting - Assigning materials, Creating Transparencies, Mapping and mapping co-ordinates, Lighting effects, Shadow maps, rendering using active shades and depth of field.
- Taking printouts using drawing plotter.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 25 % |
| Two written tests / Quiz | 25% |

B. End of course assessment of 50% marks consisting of Practical exam.

B.VOC. (INTERIOR DESIGN) SEM – 4
3 Credits L-S-T: 2-2-0

**BID-17 TRADITIONAL & CONTEMPORARY
INTERIORS, ARTS & ITS APRECIATION**

OBJECTIVES:

- To familiarize students with traditional arts and crafts of India used in vernacular construction, historic buildings and contemporary designs in different climatic regions of India.

CONTENTS:

- Conceptual Framework of Interior Design specially Climate as a major consideration.

- Study of Vernacular Architecture.
- Interiors as an expression of Social customs.
- Study of Traditional and Contemporary life style and its influence in interior spaces
- Introduction to Heritage Interiors.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 40 % |
| One written test / Quiz | 10% |

B. End of course assessment of 50% marks consisting of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 4
4 Credits L-S-T: 2-4-0

BID-18 INTERIOR DESIGN STUDIO - 1

OBJECTIVES – After completion of this course, the student should be able to -

- Appreciate the application of different colour schemes and basic materials while designing interiors for small residential and commercial units.
- Prepare functional layouts of small interior spaces.
- Basic working drawings of small interior spaces.
- Select the appropriate materials suitable for given job.
- Incorporate the building services while preparing interior layouts.

CONTENTS -

- Simple space planning exercise of small area like typical rooms in a house, Flats, small shops, kiosks, music room, etc and facilitate students to come up with functional solutions.
- Simple layout exercise that involve exposure to basic sanitary and plumbing services in singular spaces like kitchen, toilets, small school laboratory etc.
- Simple layout exercises comprise of preparing basic drawings for flooring, reflected ceiling plan, electrical and plumbing.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|-------------------------------|-----|
| Submission of design project | 25% |
| Assignments & Internal Juries | 25% |

B. End of course assessment of 50% marks consisting of evaluation by the Jury.

B.VOC. (INTERIOR DESIGN) SEM – 4
3 Credits L-S-T: 2-2-0

**BID-19 BASICS OF ESTIMATION, COSTING
AND QUANTITY SURVEYING**

OBJECTIVES:

- To initiate the students into theory and practice of estimation and quantity surveying.
- To familiarize students about the various codes for cost estimation like DSR, BSR etc.
- To impart knowledge about the use of computer softwares (excel, word) to prepare estimates.

CONTENTS:

- Estimates-types of estimates-approximate and detailed methods of estimating-plinth area method, carpet/floor area method cubic content method, approximate quantity method and number system, detail estimates-procedure of estimating taking out quantities schedule of rates.
- Estimation of various ordered quantities.
- Principles of analysis of rates.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 25 % |
| Two written tests / Quiz | 25% |

B. End of course assessment of 50% marks consisting of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 4
2 Credits L-S-T: 1-1-0

**BID-20 ACTIVITY SEQUENCING AND
CHECKLIST FOR INTERIOR WORKS**

OBJECTIVES:

- To understand the Quality System Standards for Construction Activities.
- To impart knowledge required to execute any activity.
- To familiarize students about the method statements & checklist required to successfully finish the activity within the certain quality standards.

CONTENTS:

- Quality System Standards for construction activities -
- Introduction to concept of Quality Design in building design & construction.
- Product Quality Inspections & Tests.
- Problems of Rework, wastage & compromise in product quality approach.
- Problems of inspections/Test oriented approach in service quality.
- Systems approach to Quality.

- Quality Systems Concepts for Building design, construction & management activities.
- Aspects of QA/QC for of major building items like Woodwork, Brickwork, Steelwork, Flooring, Finishing, Internal Water Supply, Sanitary and Electrical Services.
- Quality of maintenance works, checklists, Contractual implications of quality systems.
- Identification & Rectification of works in interior works.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|----------------------------------|------|
| Assignments /Project /Field Work | 30 % |
| Two written tests / Quiz | 20 % |

B. End of course assessment of 50% marks consisting of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 4
3 Credits

OSL-04 ONSITE LEARNING SESSIONS –
Exposure to Building Services for Integration in
Interior Design

OBJECTIVES –

- To enable students to understand the principles and installations of general and specialized services in the interiors.
- To expose the students to various ways to provide information on the principles of water supply, firefighting and sanitation.
- To develop the understanding of layout, functioning and application of utilities and services in the interiors.
- Preparing Coordinated services drawings with relate to Interiors.
- To familiarize students about the various codes (NBC, BIS, IS).

This course will involve guided site visits aims to familiarize students with the integration of various building services in interiors.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the field visits (20%).

End of Semester Assessment: 50% based on evaluation of submittals (like reports etc.)

B.VOC. (INTERIOR DESIGN) SEM – 5

BID-21 SUPERVISORY SKILLS

3 Credits L-S-T: 2-2-0

OBJECTIVES – After completion of this course, the student should able to

- Describe the roles & responsibilities of supervisor on a small project site.
- Give clear instructions to the subordinates and workers based on superior's directions.
- Assign work to different workers on a small interior project.
- Explain the drawing/design to workmen.
- Document the work progress on day to day basis.
- Prepare short reports of work progress for information of superiors/clients.

CONTENTS -

- Roles & responsibilities of supervisor on interior project site.
- Basics of leadership in context of small team of workers.
- Interpersonal communication and skills.
- Interpreting drawings & explaining layouts on site.
- Motivating workmen.
- Preparing periodic progress reports as per given format.
- Using checklists for supervision.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the classroom activities (20%).

End of course assessment of 50% marks consisting of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 5

BID-22 INTERIOR DESIGN STUDIO - 2

5 Credits L-S-T: 2-4-0

OBJECTIVES –

- To provide skills for designing larger scale institutional and commercial projects with emphasis on detailing, custom designs etc.
- To develop skills for comprehensive design approach and to integrate dimensions of functions to interior spaces and interior elements of space making.
- To develop the skill of design vocabulary, enhancement and sensitization of student in design preparation and its relation to tradition, culture, behavior patterns, use of spaces etc.

CONTENTS -

The primary focus should be on –

- Interior Construction Detailing
- Way finding/signage and graphic identification
- Decorative Accessories
- Building Codes.
- Rendering (hand and computer generated).
- Custom designed furniture and cabinetry
- Selection of sustainable/green materials

The list of suggested topics to be covered as design problems:

- Hospitality Design, Retail Design, Healthcare Design and Office systems
- Urban Interiors – Shopping malls, streets, Town squares, Fair grounds
- Interior Ports – air ports, Bus stops, Railway stations, boats/ports
- Exhibition displays – Urban Level & National Level.
- Mobile units – buses, cars, railway coaches etc.

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of:
- | | |
|-------------------------------|-----|
| Submission of design project | 25% |
| Assignments & Internal Juries | 25% |

- B. End of course assessment of 50% marks consisting of evaluation by the Jury.

B.VOC. (INTERIOR DESIGN) SEM – 5
3 Credits L-S-T: 1-2-2

BID-23 PREPARING BILL OF QUANTITIES

OBJECTIVES –

- To interpret drawings and recognize items of work in place and categories them into elements.
- To equip the students with the basic understanding of working out quantities of different materials.
- To familiarize the student about the units of work and the various methods of measurement required to prepare bill of quantities.
- To develop the skill to prepare bill of quantities using MS Excel.

CONTENTS -

- The bill of quantities - types, functions and uses.
- The working up process to the bill of quantities
- Types of measurements, modes of measurements: methods of taking out quantities preparation of schedule or bill of quantities.

- Rate analysis of various items of work: preparation of various items of work in the interior works.
- Prepare a draft Bill of Quantities (BQ) for some of the interior works.
- Basics of contracts.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the classroom activities (20%).

End of course assessment of 50% marks consisting of written exam.

B.VOC. (INTERIOR DESIGN) SEM – 5
2 Credits *L-S-T: 2-1-0*

BID-24 MANAGING SMALL BUSINESS
ENTERPRISE

OBJECTIVES:-

- To provide Knowledge about the methodology of executing a Project, greatly enhances the professional ability of an Architect.
- To expose the students to the currently prevalent techniques in the planning, programming and management of a project.

CONTENTS -

- Characteristics of a professional/office
- Office and its management
- Structure of an Architect's office
- Office Correspondence with Client, Competent Authority, Materials suppliers, Contractors, Expert services agencies.
- Organizing work, staffing, delegation and decentralization.
- Filing and Indexing.
- IT application in office management and procedure.
- General Accounting.
- Overview of taxes prevailing for interior works.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (20%) and participation in the classroom activities (30%).

End of course assessment of 50% marks consisting of written exam.

OBJECTIVES – At the end of this course the students should be able to

- Describe the need and importance of proper visual aids for professional presentations; identify appropriate visual aids for presentation
- Prepare effective power point presentations and slide shows
- Participate effectively in meetings and group discussions

CONTENTS:

- Types of Visual Aids – drawings, posters, photographs, model, display panels, white board, and computer based visual aids
- Selecting appropriate visual aids suited for the occasion
- Effective Power Point Presentations
- Designing presentations with appropriate colour schemes and themes
- Preparing slide shows using various advanced features of the software
- Professional Presentations and Speaking before the clients & consultants
- Basics of ‘Public Speaking’ (large audience vs small groups)
- Planning and Preparing presentation based on the purpose and audience analysis,
- Non verbal component - Postures, Gestures, Facial expressions, eye contact, etc.
- Voice Modulation.
- Dressing for the occasion
- Overcoming Nervousness
- Informal interaction and follow up after presentation
- Need and Importance of Meetings
- Preparation for hosting small group professional meetings
- Participating in the meetings – Listening attentively, taking notes, asking appropriate questions and responding to queries

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|---|------|
| Assignments /Project /Group Discussions | 40 % |
| One written test / Quiz | 10 % |

B. End of course assessment of 50% marks consisting of Practical exam.

OBJECTIVES –

- To understand the electrical services and utilities generally installed and special types of services and facilities in the interiors and focusing on the principles as well as practical aspects and solutions.
- To develop the understanding of layout, functioning and application of utilities and services in the interiors.
- The course intends to integrate the knowledge of electrical and HVAC services in buildings and to enable a student to take the appropriate decisions at the planning stage from Mechanical & Electrical point of view.
- To familiarize students about the various codes (NBC, BIS, IS).

This course will involve guided site visits aims to familiarize students with the integration of various building services in interiors.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the field visits (20%).

End of Semester Assessment: 50% based on evaluation of submittals (like reports etc.)

SIXTH SEMESTER

| | |
|--|--|
| B.VOC. (INTERIOR DESIGN) SEM – 6 3 Credits <i>L-S-T: 2-0-2</i> | BID-26 HEALTH, SAFETY & ENVIRONMENT (Laws & Regulations in construction industry) |
|--|--|

OBJECTIVES – At the end of this course the student should be able to

- List basic laws and regulations related to HSE and briefly describe their application on construction sites of small scale
- Apply their knowledge of HSE on construction site during the process of supervision.

CONTENTS –

- Preview of laws related to construction industry:-
- The building & construction workers act 1996.
- Health and Hygiene.
- Recognizing Safety Hazards.
- Manual Handling.
- Hazardous Substances.
- Noise in the Workplace.
- Machine and Equipment Safety.
- Personal Protective Equipment.
- Emergency Procedures.
- Sensitization to structural safety.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the classroom activities (20%).

End of course assessment of 50% marks consisting of written exam.

| | |
|--|----------------------------|
| B.VOC. (INTERIOR DESIGN) SEM – 6 5 Credits <i>L-S-T: 1-5-0</i> | BID-27 DESIGN PROJECT WORK |
|--|----------------------------|

OBJECTIVES –

- To prepare a student to independently handle and present all aspects of interior design: from its evolution to final solution in totality;
- To integrate all aspects about a building design and its workings, including service details, innovative structural systems and materials etc.
- To develop assimilation, synthesis and application of research in interior design.

CONTENTS -

- Each student is expected to prepare a design project based on the preliminary work undertaken in the Interior design studio under an approved guide.

- Work should reflect the knowledge gained from all the courses undertaken by the student in all the previous semesters.
- The particulars of the schedule, content, presentation, format etc is to be decided by the department from time to time and shall be strictly followed.
- At least two of the following items, for complete design or an approved part thereof, should be covered in full detail and included in the design and presentation, along with the final design proposal-
 - ✓ Detailed estimate and specification.
 - ✓ Working drawing and construction details.
 - ✓ Proposal for various services.
 - ✓ Proposal for Interior design – including furniture, fittings and finishes.
- The design proposal should be prepared and presented with the help of charts, Drawings, perspective views, models and other audio-visual aids. A design report must also be prepared and submitted in one soft copy (on CD) and three hard copies (one to be returned to the student) type written and bound together with prints and photographs of all the drawings & models. The design report should explain the objectives, design concept/approach, design proposals, etc.

Assessment:

- A. Continuous Internal Assessment of 50% marks consisting of:
- | | |
|-------------------------------|-----|
| Submission of design project | 25% |
| Assignments & Internal Juries | 25% |

- B. End of course assessment of 50% marks consisting of evaluation by the Jury.

B.VOC. (INTERIOR DESIGN) SEM – 6
2 Credits L-S-T: 1-2-0

BID-28 MEASUREMENT & BILLING

OBJECTIVES –

- To develop techniques of estimating and costing related to the interior projects.
- To provide basic understanding about measuring different items, Client billing & Sub – Contractor Billing.

CONTENTS –

- SI measurements system, SI nomenclature methods. Dimensional and modular coordination, modules and modes of measurements practiced by various agencies. Specification types, specification contents, standards developed by trade and industry, government agencies.
- Introduction of DSR.
- Accounts: Explanation of ordinary terms used in book keeping, cash book, work order, measurement book, petty cash and imprest, classification of stores, receipts and meaning of rate analysis.

- Client Billing.
- Sub-Contractor billing.

Assessment:

Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the classroom activities (20%).

End of course assessment of 50% marks consisting of written exam.

| | |
|--|---|
| B.VOC. (INTERIOR DESIGN) SEM – 6 3 Credits L-S-T: 1-3-0 | BID-29 PROFESSIONAL BEHAVIOUR, ETIQUETTES & ETHICS |
|--|---|

OBJECTIVES – At the end of this course the students should be able to

- Demonstrate appropriate etiquettes and behavior in professional situations.
- To impart awareness and technicalities of code of conduct in professional practice.

CONTENTS:

- Preview of corporate expectations especially in context of different cultures
- Gender sensitive language and behavior multicultural sit,
- Telephonic Conversation and etiquette.
- Etiquettes for email and internet usage during professional work.
- Professional behavior & Ethics.
- Career opportunities, styles of interior design practice, relationship between client and professional, Fee Structure.
- Preliminary knowledge of Consumer protection Act and other related acts on Interior Designers.
- Handing over projects.

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|-------------------------|------|
| Assignments /Project | 40 % |
| One written test / Quiz | 10 % |

B. End of course assessment of 50% marks consisting of written exam.

| | |
|--|--|
| B.VOC. (INTERIOR DESIGN) SEM – 6 2 Credits L-S-T: 1-2-0 | BID-30 COMPUTER APPLICATIONS MS PROJECT |
|--|--|

OBJECTIVES –

- To provide basic understanding to students about project management by using MSP on specific cases/project.
- To give a comprehensive cover to the project management software – Microsoft Project and its application for project planning, scheduling and monitoring of

projects in terms of time, resource and cost planning on a real life case study/projects.

CONTENTS:

- Project Management Basics
- The Nature of Projects
- Exploring the Microsoft Project Environment
- Overview of time management principles
- Overview of Bar charts and CPM
- Computerized network techniques and schedules
- Creating project schedules
- Building Tasks
- Adding Resources
- Resolving Scheduling Problems
- Resolving Resource Problems
- Creating reports and charts

Assessment:

A. Continuous Internal Assessment of 50% marks consisting of:

| | |
|--------------------------------|------|
| Assignments /Project/Exercises | 40 % |
| One written test / Quiz | 10 % |

B. End of course assessment of 50% marks consisting of practical exam.

| | |
|--|---|
| B.VOC. (INTERIOR DESIGN) SEM – 6 3 Credits <i>L-S-T: 1-3-0</i> | OSL-6 ONSITE LEARNING SESSIONS - (Demarcation of Design and understanding coordinated drawings) |
|--|---|

OBJECTIVES –

- To develop the understanding of layout, functioning and application of utilities and services in the interiors.
- The course intends to integrate the knowledge of services in buildings and to enable a student to take the appropriate decisions at the planning stage.
- To familiarize students about the various codes (NBC, BIS, IS).

This course will involve guided site visits aims to familiarize students with the integration of various building services in interiors and the execution of drawings at construction site.

Assessment:

- A. Continuous Internal Assessment: 50% consisting of two quizzes (30%) and participation in the field visits (20%).
- B. End of Semester Assessment: 50% based on evaluation of submittals (like reports etc.)